

# MK 450

## Motor Film Capacitors



The **MK 450** capacitors are suitable for the **heavy duty** motor applications.

### TECHNICAL DATA

Climatic category	-25 °C / +85 °C
Protection degree	IP00
Loss Factor	$\leq 5 \times 10^{-4}$ typical value
Test Voltage between terminals	1,75 Vn x 2 sec (min.)
Test Voltage between terminals and case	2 Vn x 2 sec (min.)

### PERFORMANCE DATA

Rated Voltage	450 Vac
Rated Frequency	50 / 60 Hz
Capacitance Tolerance	-/+ 5%
Operating class	420 V – A 30000 h (HPFNS) 450 V – B 10000 h (HPFNT)
Dielectric	Self-healing MKP
Safety class	S0

### STANDARDS AND APPROVALS

Reference standards CEI EN 60252-1; VDE560-8

Homologation EN60252-1 (1.5  $\pm$  45  $\mu$ F)  
EN60252-1 (1.5  $\pm$  45  $\mu$ F)



### MECHANICAL CONFIGURATIONS

Case	Plain base self-extinguishing (V2) plastic case	Plain base self-extinguishing (V2) plastic case	Plain base self-extinguishing (V2) plastic case	Bottom M8 metal stud self-extinguishing (V2) plastic case	Bottom M8 metal stud self-extinguishing (V2) plastic case	Bottom M8 metal stud self-extinguishing (V2) plastic case
Finishing	Bipolar cable. Length = 250 mm (other length on request)	Two flexible leads. Length = 150 mm (other length on request)	Faston terminal. Single if $\varnothing = 25$ mm, otherwise double. Size = 6,3 x 0,8 mm	Bipolar cable. Length = 250 mm (other length on request)	Two flexible leads. Length = 150 mm (other length on request)	Faston terminal. Single if $\varnothing = 25$ mm, otherwise double. Size = 6,3 x 0,8 mm
Figure						
Top view						
Naming	Pla-PB CB250	Pla-PB CVF150	Pla-PB FS/FD	Pla-C8 CB250	Pla-C8 CVF150	Pla-C8 FS/FD

Optional item:

- Capacitors can be equipped with plastic **protective cap**

## CONFIGURATION

Table

Type	Cn ( $\mu$ F)	Homologation	Dimension D x H (mm)	Pcs x bag*
MK 450-1	1	VDE   IMQ	30 x 57	50
MK 450-1,25	1,25	VDE   IMQ	30 x 57	50
MK 450-1,5	1,5	VDE   IMQ	30 x 57	50
MK 450-2	2	VDE   IMQ	30 x 57	50
MK 450-2,5	2,5	VDE   IMQ	30 x 57	50
MK 450-3	3	VDE   IMQ	30 x 57	50
MK 450-3,15	3,15	VDE   IMQ	30 x 57	50
MK 450-3,5	3,5	VDE   IMQ	30 x 57	50
MK 450-3,75	3,75	VDE   IMQ	30 x 57	50
MK 450-4	4	VDE   IMQ	30 x 57	50
MK 450-4,5	4,5	VDE   IMQ	30 x 57	50
MK 450-5	5	VDE   IMQ	30 x 57	50
MK 450-5,5	5,5	VDE   IMQ	30 x 70	50
MK 450-6	6	VDE   IMQ	30 x 70	50
MK 450-6,3	6,3	VDE   IMQ	30 x 70	50
MK 450-7	7	VDE   IMQ	30 x 70	50
MK 450-8	8	VDE   IMQ	30 x 70	50
MK 450-9	9	VDE   IMQ	35 x 70	50
MK 450-10	10	VDE   IMQ	35 x 70	50
MK 450-11	11	VDE   IMQ	40 x 70	50
MK 450-12	12	VDE   IMQ	40 x 70	50
MK 450-12,5	12,5	VDE   IMQ	40 x 70	50
MK 450-13	13	VDE   IMQ	40 x 70	50
MK 450-14	14	VDE   IMQ	40 x 70	50
MK 450-15	15	VDE   IMQ	40 x 70	50
MK 450-16	16	VDE   IMQ	40 x 70	50
MK 450-18	18	VDE   IMQ	40 x 94	50
MK 450-20	20	VDE   IMQ	40 x 94	50
MK 450-22	22	VDE   IMQ	40 x 94	50
MK 450-25	25	VDE   IMQ	45 x 94	50
MK 450-30	30	VDE   IMQ	45 x 94	50
MK 450-31,5	31,5	VDE   IMQ	45 x 94	50
MK 450-35	35	VDE   IMQ	50 x 94	50
MK 450-40	40	VDE   IMQ	50 x 94	50
MK 450-45	45	VDE   IMQ	50 x 120	50
MK 450-50	50		50 x 120	50
MK 450-55	55		55 x 120	50
MK 450-60	60		55 x 120	50
MK 450-70	70		60 x 120	50
MK 450-75	75		60 x 120	50
MK 450-80	80		60 x 120	50

Other solutions are available on request.

\* All capacitors are supplied inside polyethylene bag, in order to reduce cardboard boxes.